

PATENT CLAIMS

1. A synbiotic product containing a low-lactose sour-milk product including full-cream or skimmed low-lactose cow's milk, a low-lactose hydrolyzate with more than 95% degraded milk casein, saccharose, pectin, full-cream or skimmed low-lactose cow's milk fermented using selected strains of *Lactobacillus delbrueckii subsp. bulgaricus*, characterized by the fact of containing a lyophilized monoculture of *Lactobacillus delbrueckii subsp. bulgaricus* or a lyophilized mixture of monocultures of *Lactobacillus bulgaricus*, *Lactobacillus acidophilus*, *Streptococcus thermophilus*, *Lactobacillus lactis* and dextrose.

2. A synbiotic product, according to Claim 1, characterized by a 1:1:1 ratio of dry sour-milk product : dry bacterial culture : dextrose.

3. Application of the synbiotic product according to Claim 1 as a carrier of bioactive substances of natural origin or vitamins as food additives and functional foods.

4. Application, according to Claim 2, in which the bioactive substances of natural origin are dry herbal extracts of hypericum, ginseng, or aloe vera, used separately or in combination, other vegetable products such as essential oils, e.g. lavender oil and rose oil, as well as fruit concentrates such as papaya concentrate, in addition to combinations of said natural substances.